

Helena

Asset® RTU 50G

GRANULAR FERTILIZER ADDITIVE AND MICRONUTRIENTS

GUARANTEED ANALYSIS

Boron (B)	0.02%
Copper (Cu)	0.05%
0.05% Chelated Copper (Cu)	
Iron (Fe)	0.10%
0.10% Chelated Iron (Fe)	
Manganese (Mn)	0.05%
0.05% Chelated Manganese (Mn)	
Molybdenum (Mo)	0.0005%
Zinc (Zn)	0.10%
0.10% Chelated Zinc (Zn)	

Derived from manganese EDTA, zinc EDTA, copper EDTA, iron HEDTA, sodium octabate and sodium molybdate.

The chelating agent is EDTA (ethylenediaminetetraacetic acid) or HEDTA (hydroxyethylenediaminetetraacetic acid).

ALSO CONTAINS NON-PLANT FOOD INGREDIENTS:

6% mixed carboxylates.

KEEP OUT OF REACH OF CHILDREN**CAUTION**

Contains **Boron** and **Molybdenum**. Do not use on plants sensitive to **Boron**. Use of Boron on plants other than those recommended may result in serious injury to the plants. Plants containing excess amounts of **Molybdenum** are toxic to grazing ruminant animals.

See Additional Precautionary Statements Below.

Patent No. 5,725,630

SN 1202/0206

NET WEIGHT: 50 lbs (22.68 kg)

Information about the components of this lot of fertilizer may be obtained by writing to Helena Chemical Company, 225 Schilling Boulevard, Suite 300, Collierville, TN 38017 and giving the lot number which is found on the container.

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.aapco.org/metals.htm>.

F224

MANUFACTURED FOR
HELENA CHEMICAL COMPANY
225 SCHILLING BOULEVARD, SUITE 300
COLLIERVILLE, TN 38017

PRECAUTIONARY STATEMENTS**CAUTION**

BEFORE USING THIS PRODUCT, READ ALL PRECAUTIONS, DIRECTIONS FOR USE, CONDITIONS OF SALE—LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES.

May be harmful if swallowed, inhaled, or absorbed through skin. May cause eye irritation. Avoid breathing dust. Avoid contact with skin, eyes, and clothing. Do not apply this product in such a manner as to directly expose workers or other persons. In addition, follow precautionary statements on accompanying pesticide label(s) that may be applied with this product.

WHAT TO DO IN CASE OF CONTACT:

IF INHALED: Move victim to fresh air. Give artificial respiration if needed. See a physician.

IF SWALLOWED: Give a large amount of water to drink, make person vomit and immediately call a physician. Do not induce vomiting or give anything by mouth to an unconscious person.

IF IN EYES: Immediately flush eyes with clean water for at least 15 minutes. Call a physician if irritation persists.

IF ON SKIN: Remove contaminated clothing and wash skin with soap and water. Call a physician if irritation persists.

If there is contact made with the spray solution containing pesticides and/or spray adjuvants, follow the "Statement of Practical Treatment/First Aid" on the product(s) labeling.

STORAGE AND DISPOSAL

Store in original container only. Keep packages tightly closed and do not allow water to be introduced to container contents. Do not store this product near heat or open flame.

Container Disposal: Empty packaging should be offered for recycling or disposal in accordance with Federal, State and Local authorities. If packaging is

burned, stay out of smoke. For help in chemical emergencies involving spill, leak, fire or exposure, call toll free 1-800-424-9300.

GENERAL INFORMATION

ASSET® RTU 50G is a plant micronutrient product that contains a proprietary fertilizer additive. When used in conjunction with sound fertility practices, ASSET® RTU 50G improves quality and production for a wide range of agricultural, ornamental, and turf practices.

Applications of ASSET® RTU 50G with granular pesticides are possible in accordance with pesticide application guidelines. ASSET® RTU 50G is compatible with most pesticides and other fertilizers. Care must be taken to apply the correct amount of granular pesticide when applying with another granular product.

SOIL APPLICATIONS

For in-furrow or broadcast applications, apply 4-12 pounds of ASSET® RTU 50G per acre. Best results are obtained when ASSET® RTU 50G is applied in a zone or band in the soil and incorporated to a depth of two (2) to four (4) inches. The recommendations for use of this product are based upon the best current information available.

APPLICATION EQUIPMENT CALIBRATION

Proper application of this product is critical for maximum benefit. Application equipment should be carefully calibrated to deliver the desired application rate.

1. Decide the per acre rate for the intended application. Apply 4-12 pounds of ASSET® RTU 50G per acre.
2. Using Table 1 below, determine the ounces of product to be applied per 1,000 row-feet based on the row spacing and predetermined rate per acre.
3. Fill hopper.
4. Attach a plastic bag or a recommended calibration tube to a tube opening to catch all granules for one row.
5. Set your planter to deliver the estimated rate per 1,000 row-feet.
6. Drive a pre-measured 1,000 foot distance and collect product in the plastic bag.
7. Compare the weight of the granules caught in the bag to the predetermined number of ounces of ASSET® RTU 50G per 1,000 feet.

Table 1

Pounds of ASSET® RTU 50G Per Acre	Amount of ASSET® RTU 50G per 1,000 Feet of Row from Different Row Spacings (Ounces per 1,000 feet of row)									
	(Row Spacing-inches)									
	40"	38"	36"	34"	32"	30"	22"	18"	15"	
4 Pounds	4.9	4.7	4.4	4.2	3.9	3.7	2.7	2.2	1.8	
6 Pounds	7.3	7.0	6.6	6.2	5.9	5.5	4.0	3.3	2.8	
8 Pounds	9.8	9.3	8.8	8.3	7.8	7.3	5.4	4.4	3.7	
12 Pounds	14.7	14.0	13.2	12.5	11.8	11.0	8.1	6.6	5.5	

CONDITIONS OF SALE—LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES

Read the Conditions of Sale—Warranty and Limitations of Liability and Remedies before using this product. If the terms are not acceptable, return the product, unopened, and the full purchase price will be refunded.

This label is believed to be reliable and should be followed carefully. Injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions or the failure to follow the label directions or good application practices, all of which are beyond the control of Helena Chemical Company (the "Company") or seller. In addition, failure to follow label directions may cause injury to crops, animals, man or the environment. The Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to subject to the factors noted above which are beyond the control of the Company. The Company makes no other warranties or representations of any kind, express or implied, concerning the product, including no implied warranty of merchantability or fitness for any particular purpose, and no such warranty shall be implied by law.

The exclusive remedy against the Company for any cause of action relating to the handling or use of this product shall be limited to, at Helena Chemical Company's election, one of the following:

1. Refund of the purchase price paid by buyer or user for product bought, or
2. Replacement of the product used

To the extent allowed by law, the Company shall not be liable and any and all claims against the Company are waived for special, indirect, incidental, or consequential damages or expense of any nature, including, but not limited to, loss of profits or income. The Company and the seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability and remedies.

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Disclaimer: Always refer to the label on the product before using Helena or any other agrichemical product. VID 2.20.06

ASSET RTU 50G

Helena Chemical Company
PH: 901-761-0050
CHEMTREC: 1-800-424-9300
Effective Date: 01-02-03
Product: ASSET RTU 50G

I. IDENTIFICATION

Chemical Name: NOT APPLICABLE, FORMULATED MIXTURE
Chemical Family: METAL CHELATES AND FERTILIZERS
Formula: NOT APPLICABLE, FORMULATED MIXTURE
Synonyms: NONE
CAS Number: TRADE SECRET
EPA Number: NONE REQUIRED

II. PHYSICAL DATA

Boiling Point: >100 DEGREES C.
Freezing Point: NOT APPLICABLE
Spec Gravity: 0.841 GMS/CC
Vapor Pressure: NOT APPLICABLE
Vapor Density: NOT APPLICABLE
Solubility: NOT APPLICABLE
Volatiles: NOT APPLICABLE
Evaporation: NOT APPLICABLE
Melting Point: NOT ESTABLISHED
Appearance: TAN GRANULES, LOW ODOR.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
PROPRIETARY BLEND OF CARBOXYLIC ACIDS, METAL EDTA CHELATES, SODIUM MOLYBDATE AND CLAY GRANULES (6% MIXED CARBOXYLATES)		100.00	10 MG/M3	SKIN & EYE IRRITANT

IV. FIRE AND EXPLOSION HAZARD

Flash Point: NON-COMBUSTIBLE
Autoignition Temp: NOT APPLICABLE
Flammable Limit: NOT APPLICABLE
Extinguishing Media: NON-COMBUSTIBLE PRODUCT. USE EXTINGUISHING MEDIA FOR UNDERLYING CAUSE OF FIRE.
Special Fire Fight Proc: WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING.
Fire and Expl Hazard: PRODUCT GENERATES TOXIC AND IRRITATING FUMES UNDER FIRE CONDITIONS.

V. HEALTH HAZARD

Carcinogen Information: NONE CURRENTLY KNOWN.
ACUTE EFFECTS OF OVER EXPOSURE
Swallowing: RESULTS IN VOMITING AND ABDOMINAL CRAMPS.
Skin Absorption: MAY BE HARMFUL BY SKIN ABSORPTION.
Inhalation: INHALATION MAY CAUSE IRRITATION TO NOSE AND THROAT.
Skin contact: SKIN CONTACT MAY CAUSE IRRITATION.
Eye Contact: EYE CONTACT RESULTS IN SEVERE IRRITATION.
Chronic Effects: NONE CURRENTLY KNOWN.
Other Hazard: NONE CURRENTLY KNOWN.
EMERGENCY AND FIRST AID PROCEDURES
Swallowing: GIVE A LARGE AMOUNT OF WATER TO DRINK, MAKE PERSON VOMIT AND IMMEDIATELY CALL A PHYSICIAN. DO NOT INDUCE VOMITING OR GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.
Skin: REMOVE CONTAMINATED CLOTHING AND WASH SKIN WITH SOAP AND WATER. CALL A PHYSICIAN IF IRRITATION DEVELOPS OR PERSISTS.

Inhalation: MOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NEEDED. IMMEDIATELY CALL A PHYSICIAN.

Eyes: FLUSH EYES WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. CALL A PHYSICIAN IF IRRITATION DEVELOPS OR PERSISTS.

Notes to Physician: IN THE EVENT OF AN ADVERSE RESPONSE, TREATMENT SHOULD BE DIRECTED TOWARD CONTROL OF THE SYMPTOMS AND THE CLINICAL CONDITION OF THE PATIENT. INGESTION MAY CAUSE CORROSIVE DAMAGE TO THE DIGESTIVE TRACT.

VI. REACTIVITY

Stability: Stable
Conditions to Avoid: NONE CURRENTLY KNOWN
Polymerization: Will Not Occur
Conditions to Avoid: NONE CURRENTLY KNOWN.
Incompatibility material: PRODUCT MAY REACT VIGOROUSLY WITH ACIDIC MATERIALS.
Hazardous Combustion: MAY PRODUCE AMMONIA GAS AND OXIDES OF CARBON UNDER FIRE CONDITIONS.

VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: CONTAIN SPILL. IF UNCONTAMINATED, RECOVER AND REUSE PRODUCT. IF CONTAMINATED, SWEEP OR VACUUM UP AND PLACE IN A PLASTIC RECOVERY DRUM FOR PROPER DISPOSAL.
Waste Disposal Method: THIS MATERIAL MUST BE DISPOSED OF ACCORDING TO FEDERAL, STATE, OR LOCAL PROCEDURES UNDER THE RESOURCE CONSERVATION AND RECOVERY ACT.

VIII. SPECIAL PROTECTION INFORMATION

Respiration: NONE NEEDED UNDER NORMAL CONDITIONS. UNDER FIRE CONDITIONS OR IF VAPORS EXCEED TLV, USE NIOSH/MSHA APPROVED RESPIRATOR.
Ventilation: LOCAL EXHAUST SUFFICIENT.
Gloves: IMPERVIOUS
Eyes: SPLASH PROOF GOGGLES.
Other: EMERGENCY SHOWER, EYE WASH STATION, IMPERVIOUS APRON AND FOOTWEAR.

IX. SPECIAL PRECAUTIONS

Special precaution: KEEP OUT OF REACH OF CHILDREN. DO NOT STORE WITH FOOD, FEED, OR OTHER MATERIAL TO BE USED OR CONSUMED BY HUMANS OR ANIMALS. DO NOT CONTAMINATE WATER SUPPLIES, LAKES, STREAMS, OR PONDS. PROTECT AGAINST PHYSICAL DAMAGE. KEEP SEPARATE FROM OXIDIZING AND ACIDIC MATERIALS.
Other precaution:

X. SHIPPING INFORMATION

Shipping name: NOT REGULATED BY DOT, IATA, OR IMO
Hazard Class: NONE
Identification No: NONE
Labels Required: NONE
Placarding: NONE
Freight Class: COMPOUND, FERTILIZER (MANUFACTURED FERTILIZER), SOLID, NOIBN

Chemical Name	Equivalent R.Q.
NOT APPLICABLE	NOT APPLICABLE

XI. GENERAL PRODUCT INFORMATION

National Fire Protection Association Rating: (Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)
Health: 2
Fire: 0
Reactivity: 0
S.A.R.A. Title III Hazard Classification: (Yes/No)
Immediate (Acute) Health: Y
Delayed (Chronic) Health: N
Sudden Release of pressure: N
Fire: N
Reactive: N

Mail inquiries to: 225 Schilling Blvd., Suite 300
Collierville, TN 38017

Helena Chemical Company believes that the data contained herein is factual. This data is not to be taken as a warranty or representation of legal responsibility. It is offered solely for your consideration, investigation and verification.

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